

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROV. FY
QSS Group, Inc.	NAS5- 99124 TASK NO. 345 AMENDMENT	710-258-90-40-89	FY00

TASK TITLE: (NTE 80 characters; include Project name)

Mass Storage Scalability Analysis

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE
Ben Kobler <i>[Signature]</i>	8/22/00	586	423	301-614-5231
BRANCH HEAD	DATE	CODE	PHONE	
George Komar <i>[Signature]</i>		710	301- 286-0007	
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE	PHONE	
Robert S. Lebar, Jr. <i>[Signature]</i>	8/25/00	560	301-286-6588	
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:

Date:

Contractor will develop specification or statement of work under this task for a future procurement.	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.	<input type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A
Government Furnished Property/Facilities:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)
Onsite Performance:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES If yes: <input type="checkbox"/> TOTAL <input type="checkbox"/> PARTIAL If partial, indicate onsite work in SOW by asterisk (*)
Surveillance Plan Attached:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Highlighted Contract Clauses:	(to be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be 9/6/00.

INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	No. 1	No. 2	<input checked="" type="checkbox"/> No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 24,887.

The target fee of this task order is \$ 166.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 25,053.

The maximum fee is \$ 243.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

[Signature]

SIGNATURE OF CONTRACTING OFFICER

10/26/00

DATE

ELIZABETH J. AUSTIN
CONTRACTING OFFICER

TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

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QSS Group, Inc.	NAS5- 99124	345	

Applicable paragraphs from contract Statement of Work: **F.1.a, I.1.h****STATEMENT OF WORK:** (Continue on blank paper if additional space is required)

This task will complete the work of the previously funded task "Mass Storage Scalability Analysis".
The contractor shall write a final report and deliver software and instructions in its use.

This task will also continue the work of the previously funded "End-to-End Data MODIS Data Transfer Study"
In particular, the contractor shall:

- perform a final set of model validations using the latest measurements provided by Andy Germain on July 21, 2000
- prepare the final version of the FTPAnalyzer Excel workbook with its accompanying Visual Basic model solver
- write a final report describing the work performed during this task.
- carry out a sensitivity analysis of FTP performance on the variation of the values of several parameters including number of concurrent FTPs, TCP parameters, bandwidth, etc.

PERFORMANCE SPECIFICATIONS:

Reports and Documents: Technical performance will be based on thoroughness and completeness of written reports. Acceptable performance is that the ATR is satisfied that the material reflects the proper level of technical expertise and meets the objectives of the activity. Reports shall be delivered to the ATR both as a hard copy and in MS Word format via either diskette or email.

Final Report 1 shall include a full description of the Modis Data Transfer Study and results of analysis.

Final Report 2 shall include a full description of the scalability model and results of analysis.

Software deliveries shall include working code and instructions for its use.

Technical Progress Report: Acceptable performance is that the ATR is satisfied that he is being kept informed of the status of work performed and of issues requiring his attention.

Management: Performance will be measured against the following metrics: (1) accomplishment of objectives; (2) clear, incremental progress; (3) responsiveness to issues; (4) efficient and appropriate staffing; and (5) coordination with and good working relationship with ATR and other related contractor efforts, if applicable.

APPLICABLE DOCUMENTS:

None.

TASK END DATE: 12/31/00**MILESTONES/DELIVERABLES AND DATES:**

1. Status briefing 1 (Transfer Study): October 10, 2000
2. Status briefing 2 (Transfer Study): October 31, 2000
3. Software Delivery 1 (Transfer Study): December 12, 2000
4. Final Report 1 (Transfer Study): December 12, 2000
5. Software Delivery 2 (Scalability): December 12, 2000
6. Final Report 2 (Scalability): December 31, 2000
7. Technical Progress Reports: monthly, the 15th of the month

PERFORMANCE STANDARDS:

Schedule: On-time delivery/completion of the above deliverables/milestones

Technical: ATR's acceptance of the above

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Ben Kobler, building 32, room E220B